FIG 1 Prior art

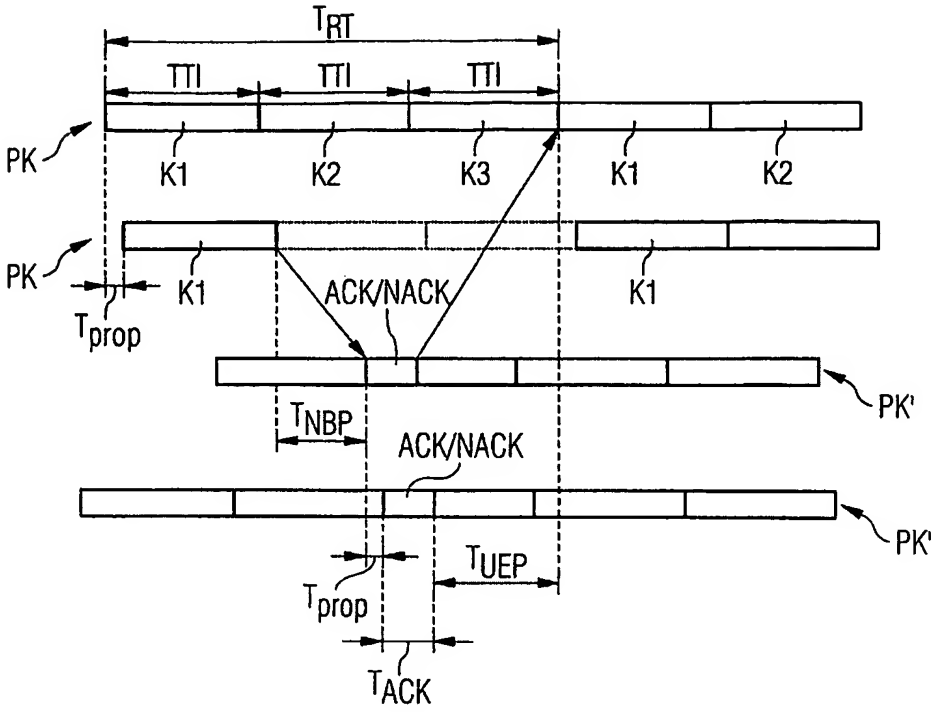

FIG 2

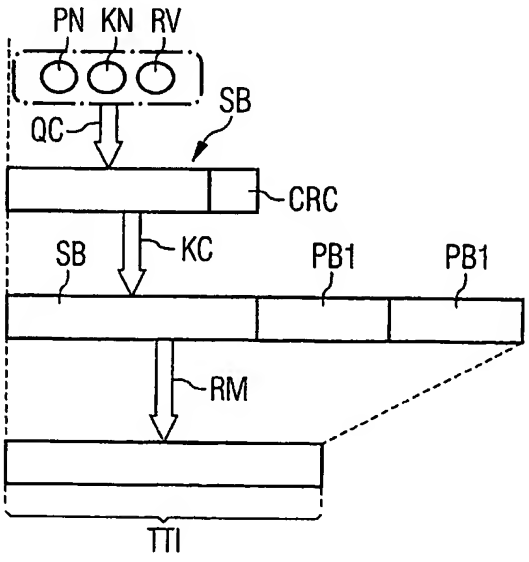

FIG 2A

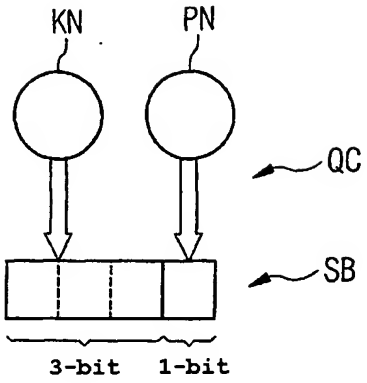

FIG 2B

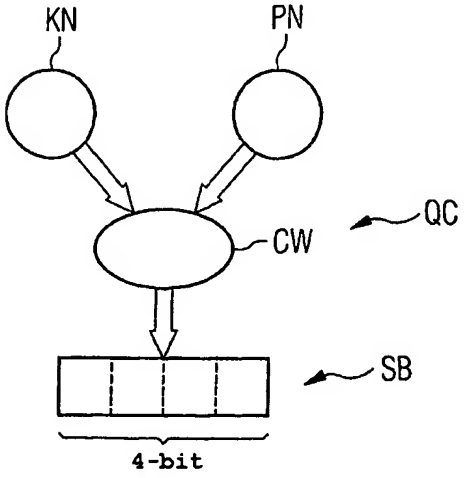

FIG 3 Prior art

M_S	b						
	1	2	3	4	5	6	7
1	2	4	8	16	32	64	128
2	2	2	4	8	16	32	64
3		1	2	4	8	16	32
4		1	2	4	8	16	32
5			1	2	4	8	16
6			1	2	4	8	16
7			1	2	4	8	16
8			1	2	4	8	16
9				1	2	4	8
10				1	2	4	8

N

FIG 4

M_j	b						
	1	2	3	4	5	6	7
1	2	4	8	16	32	64	128
2	1	2	4	8	16	32	64
3		1.33	2.67	5.33	10.67	21.33	42.67
4		1	2	4	8	16	32
5			1.6	3.2	6.4	12.8	25.6
6			1.33	2.67	5.33	10.67	21.33
7			1.14	2.29	4.57	9.14	18.29
8			1	2	4	8	16
9				1.78	3.56	7.11	14.22
10				1.6	3.2	6.4	12.8

N

FIG 5

N	1	2	3	4	5	6	7	8	9	10
Gain in %	0	0	33.3	0	60	33.3	14.3	0	77.8	60

FIG 6

Type	b	Mean number of signaling options	HARQ channels	Distribution function	Examples
A1	4	2.67	6	identical	{2,2,2,2,2,2}
A2		2.67	6	homogenous	{3,3,3,3,2,2}
A3		2.67	6	inhomogenous	{4,3,3,2,2,2}, {4,4,2,2,2,2}, {5,3,2,2,2,2}, {6,2,2,2,2,2}
B1	5	5.33	6	identical	{5,5,5,5,5,5}, {4,4,4,4,4,4}, {3,3,3,3,3,3}, {2,2,2,2,2,2}
B2		5.33	6	homogenous	{6,6,5,5,5,5}
B3		5.33	6	inhomogenous	{8,8,8,3,3,2}, {8,8,8,4,2,2}, {7,7,7,7,2,2}, {6,6,6,6,4,4}, {10,10,6,2,2}
C1	6	10.67	6	identical	$\{p_k, p_k, p_k, p_k, p_k, p_k\}$ with $p_k=\{2,3,...,10\}$
C2		10.67	6	homogenous	{11,11,11,11,10,10}
C3		10.67	6	inhomogenous	{12,12,10,10,10,10},{12,12,12,12,8,8}, {12,12,12,12,8,8}
D1	4	3.2	5	identical	{3,3,3,3,3}, {2,2,2,2,2}
D2		3.2	5	homogenous	{4,3,3,3,3}
D3		3.2	5	inhomogenous	{4,4,4,2,2}, {5,4,3,2,2}, {5,5,2,2,2}, {6,4,2,2,2}, {6,3,3,2,2}
E1	5	6.4	5	identical	$\{p_k, p_k, p_k, p_k, p_k\}$ with $p_k=\{2,3,...,6\}$
E2		6.4	5	homogenous	{7,7,6,6,6}
E3		6.4	5	inhomogenous	{8,8,8,4,4}, {9,9,8,4,2}, {8,8,8,6,2}, {8,8,6,5,5}, {10,10,6,4,2}
F1	3	2.67	3	identical	{2,2,2}
F2		2.67	3	homogenous	{3,3,2}
F3		2.67	3	inhomogenous	{4,2,2}
G1	4	5.33	3	identical	$\{p_k, p_k, p_k,\}$ with $p_k=\{2,3,4,5\}$
G2		5.33	3	homogenous	{6,5,5}
G3		5.33	3	inhomogenous	{6,6,4}, {7,6,3}, {7,7,2}, {7,5,4}
H1	5	10.67	3	identical	$\{p_k, p_k, p_k,\}$ with $p_k,=\{2,...,10\}$
H2		10.67	3	homogenous	{11,11,10}
H3		10.67	3	inhomogenous	{12,12,8}, {14,10,8}, {14,14,4},{13,13,6}
I1	3	1.33	6	identical	{1,1,1,1,1,1}
I2		1.33	6	homogenous	{2,2,1,1,1,1}
I3		1.33	6	inhomogenous	{3,1,1,1,1,1}

FIG 7 Prior art

b=6	Packet number	HARQ channels	Redundancy version
non-SHO	1	3	2
SHO	3	3	0

FIG 8 Prior art

b=6	Packet number	HARQ channels	Redundancy version
non-SHO	2	8	4
SHO	8	8	1

FIG 9

b=6	Packet number	HARQ channels	Redundancy version
non-SHO	2	6	5.33 (type B)
SHO	10.67 (type C)	6	1
	5.33 (type B)	6	2
	8	6	1.33 (type I)

FIG 10

b=5	Packet number	HARQ channels	Redundancy version
non-SHO	2	6	2.67 (type A)
SHO	5.33 (type B)	6	1

FIG 11

b=4	Packet number	HARQ channels	Redundancy version
non-SHO	2	6	1.33 (type I)
SHO	2.67 (type A)	6	1

FIG 12

	HARQ channel					
	1	2	3	4	5	6
Time 1	2	2	1	1	1	1
Time 2	1	1	2	2	1	1
Time 3	1	1	1	1	2	2
Time 4	2	1	1	2	1	1
Time 5	1	2	1	1	2	1
Time 6	1	1	2	1	1	2

FIG 13

	Redundancy versions that can be signaled
Time 1	1
Time 2	2
Time 3	1.2
Time 4	1
Time 5	2
Time 6	1.2

FIG 14

	Packet number that can be signaled p_j	Current packet number a_j	No. of transmissions $n_{k,i}$				No. of transmissions since last use N_j
			Packet no. 0	Packet no. 1	Packet no. 2	Packet no. 3	
HARQ channel 1	4	1	1	2	1	1	3
HARQ channel 2	3	0	2	3	1	-	4
HARQ channel 3	3	2	1	4	4	-	5
HARQ channel 4	2	1	3	2	-	-	3
HARQ channel 5	2	0	1	1	-	-	1
HARQ channel 6	2	1	3	5	-	-	3